

NSW Decarbonisation Innovation Hub Information Session

Aim of information session

- Background to Decarbonisation Innovation Hub
- Decarbonisation Innovation Hub Overview
- Approach to establishing the Decarbonisation Innovation Hub
- Timelines for Decarbonisation Innovation Hub establishment
- Q&A



NSW Net Zero Industry & Innovation Program



1. Clean Technology Innovation - supporting the development and continued innovation of emerging clean technologies in NSW.

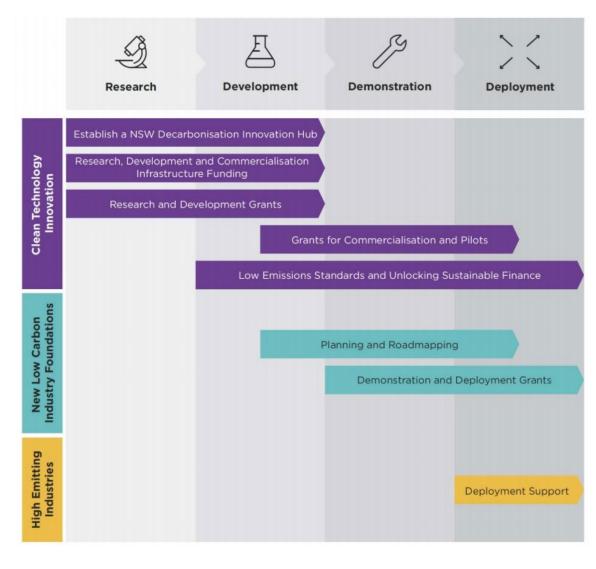


2. New Low Carbon Industry Foundations - laying the foundations for low emissions industries by building enabling infrastructure and increasing the capability of our supply chains in NSW.

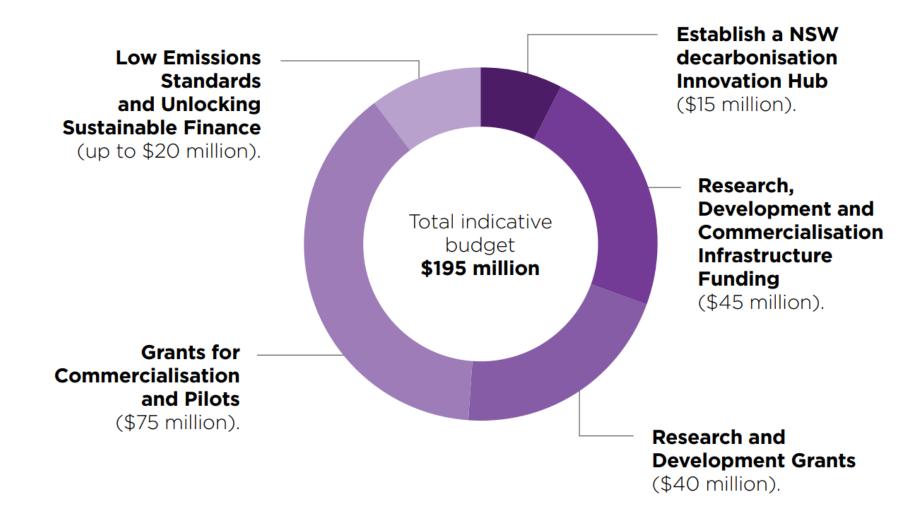


3. High Emitting Industries - deploying low emissions technologies and infrastructure to reduce the emissions associated with existing, high emitting industrial facilities in NSW.

Net Zero Industry & Innovation Program



Clean Technology Innovation Program



Decarbonisation Innovation Hub

Coordinate research, government and industry efforts across

- Energy Systems & Electrification
- Land and Primary Industries
- Power fuels including Hydrogen

Key documents to inform EOI and RFP are available on OCSE website

- Decarbonisation Innovation Hub Information Paper
- Background Supporting Paper

https://www.chiefscientist.nsw.gov.au/science-in-nsw/nsw-networks/decarbonisation-innovation-hub



OCSE's Network process - establishment & oversight

Value proposition

Workshop

EOI & RFP

Proposals assessed

Start up & launch

Report & review

- Opportunities identified
- Alignment with industry & research strengths; emerging and new industries of strategic performance; opportunity for growth; socioeconomic or environmental benefits
- -Test proposition with wider group of stakeholders
- -Explore potential scope, roles and deliverables; interdependencies; leveraging opportunities; critical success and failure factors; primary and secondary objectives; metrics of success
- -Two stage processes involve an initial call for Expressions of Interest (EOI) followed by a Request for Proposal (RFP)
- -EOIs are useful for eliciting targeted responses and facilitating consortia where multiple bids are likely
- -A call for RFPs includes a description of the proposed Network; expected roles of the host; potential objectives; leadership and governance structures

- -Assessment criteria reflect emphasis placed on collaboration, delivery and impact
- -An independent panel is convened by OCSE to assess proposals
- -Select candidates invited to interview to speak to proposal
- -Panel recommends the host and a report is prepared
- -OCSE provides secretariat support

- -OCSE prepares a funding deed with the proposed host
- -Once executed, OCSE supports the host to establish governance structures and work programs, introduce new members etc
- -If not the funder OCSE can advise on arrangements

- -OCSE not a formal network member once established, in practice OCSE rep ex officio member of boards and assists with delivery of the work program
- -OCSE meets with network executives to provide support and advice



Information and supporting papers

- Information paper
 - Background
 - Overarching framework
 - Governance
 - Operations
 - Funding
 - Workplan/activities
 - Establishment

- Supporting paper
 - Stakeholder consultation
 - Reasoning behind three networks

Key documents for responding to EOI and RFP



Hub Vision

To support a mature and collaborative decarbonisation innovation community in NSW, by fostering the development, commercialisation and adoption of decarbonised technologies and services to reduce emissions to net zero by 2050 and provide economic benefit to NSW



Hub guiding principles

- Decarbonisation the Hub will support activities to accelerate R&D, commercialisation and deployment of technologies and services for decarbonisation and achieving net zero emissions by 2050
- Policy the Hub will ensure its activities are aligned with NSW Government policy on decarbonisation, including the Net Zero Plan and the NSW Chief Scientist & Engineer's Decarbonisation Innovation Study
- Cost-effectiveness the Hub will only directly fund initiatives that can demonstrate a viable pathway to a long-term and/or cost-effective decarbonisation solution
- **Net benefit** the benefits of the activities undertaken by the Hub should outweigh perverse impacts
- **Collaboration** the Hub will support collaborative approaches to decarbonisation, working in good faith with researchers, industry and government

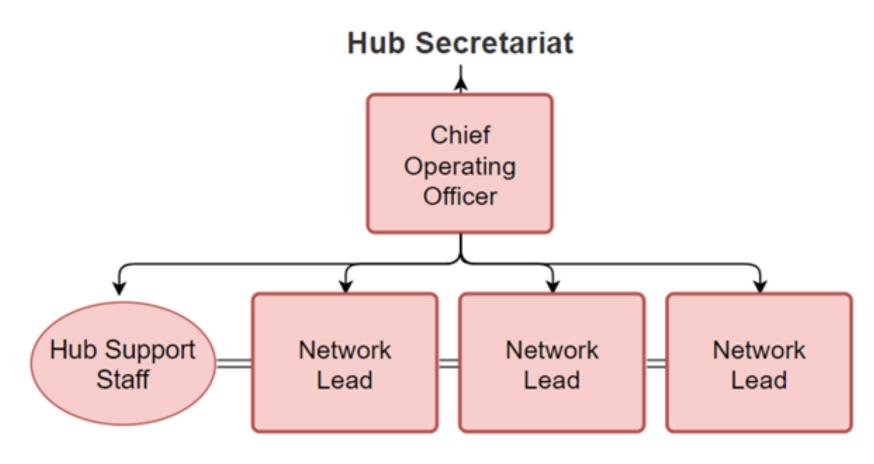


Hub objectives

- Support and accelerate the research, development and commercialisation of decarbonisation technologies and services in NSW
- Foster collaboration, partnerships and projects between industry, researchers and government that drive decarbonisation in NSW and elsewhere
- Attract investment to NSW that supports the research, development and commercialisation of decarbonisation technologies and services
- Support the growth of skills, knowledge and workforce in decarbonisation technologies and services in NSW



Potential structure and governance of Hub





Potential structure and governance of Hub

Hub Board

- Chief Operating Officer
- Network Leads
- Industry Leaders
- OCSE Representative
- NSW Government Representative
- · Local Government Representative
- · Commonwealth Representative

Network Committee

Electrification & Energy Systems

- Network Lead
- Representatives from Industry
- · Representatives from Academia
- Other Interested Parties

Network Committee

Land & Primary Industries

- Network Lead
- Representatives from Industry
- Representatives from Academia
- Other Interested Parties

Network Committee

Power Fuels including Hydrogen

- Network Lead
- Representatives from Industry
- · Representatives from Academia
- Other Interested Parties

Interest Group

. Industry, Research, Government and other interested parties in the Decarbonisation Innovation Community



Hub and networks

- Consortium of organisations leading, could include
 - Research organisations
 - Not for profit organisations
- Membership
 - Open to all
 - Collaborative
- Strong NSW focus
 - Decarbonisation
 - Economic benefit
 - Skills development

- Outcomes focus
- Technology, services and skills
 - Research, development, demonstration and commercialisation
 - Adoption
- Current and future needs
 - Assist with other NSW Net Zero initiatives
 - Take advantage of national and international initiatives
 - Includes 2030 and beyond



Establishing the Hub

- Competitive process to determine the Hub host
 - Expression of Interest (EOI) identify interested parties
 - Request for Proposal (RFP) proposal from interested parties
 - Overseen by a Reference Group
- Development of a business plan
 - Based on successful proposal
 - Input from the Reference Group



EOI process

- Survey
- Questions
 - Contact details name, email & organisation
 - Role interested in?
 - Hub host
 - Network lead
 - Network member
 - Interest Group member
 - Which Network of interest
 - Electrification and Energy Systems
 - Land and Primary Industries
 - Power fuels including Hydrogen

- Questions
 - Brief description of organisation
 - Your role as it related to the Hub
 - Collaboration of relevance to Hub
- Information shared with parties interested in RFP
 - Contact details, role and Network of interest
 - · Assist them with their RFP
 - Can opt out



RFP process

- Detail proposal from group submitting RFP
 - Strongly encourage to partner with others – "consortium" proposal with a lead
- Information required
 - Organisation(s) name, role & experience
 - Comment on proposed vision, guiding principles and objectives of the Hub
 - Proposed structure and governance
 - Membership model

- Information required
 - Action plan for the Hub
 - short-term establishing
 - medium term delivering and growing
 - long term maintain and sustain 2030 and beyond
 - Proposed monitoring, evaluation, reporting and improvement (MERI) framework
 - economic and carbon abatement analysis
 - Proposed budget 2021 to 2030

Key references: Information paper and supporting paper



RFP assessment

- Reference Group to assess
- Shortlist proposal
- Interviews
- Selection of preferred Hub host(s)

Next steps: Development of business plan based on successful proposal



Timeline

| 2 August | Stakeholder information session Information and Supporting Paper on website EOI on website |
|------------|--|
| 3 August | Stakeholder presentation on website |
| 6 August | Q&A published on website |
| 20 August | EOI closes |
| 30 August | RFP open |
| 8 October | RFP closes |
| 5 November | Decision of preferred Hub host |
| Early 2022 | Hub established |
| | |

https://www.chiefscientist.nsw.gov.au/science-in-nsw/nsw-networks/decarbonisation-innovation-hub



Questions & Answers

- Question
 - Type in chat now
 - Submit <u>decarbonisation.hub@chiefscientist.nsw.gov.au</u>
- Formally capture all questions and provide responses to all via website
- All responses will be available on the website by 9 August 2021

